

Transactions of the Scientific Research Institutes of the "Hydrometeorologic"
Service in 1957. Continuation

SOV/50-58-6-22/24

Periodical Nr 62. Problems of hydrometry. Editor: A. K. Proskuryakov, 108 pages, 6 articles.
(Periodical Nr 63 is not mentioned).
Periodical Nr 64. Problems of the construction of hydrological apparatus. Editor: K. D. Zav'yalov, 58 pages, 6 articles.
(Periodical Nr 65 is not mentioned).
Periodical Nr 66. Research problems of lakes and reservoirs. Editor: A. P. Domanitskiy, 140 pages, 5 articles.

1. Scientific reports--USSR 2. Meteorology 3. Hydrology

Card 3/3

DROZDOV, O.A.

Expedition of the geographical faculty to the Fedchenko Glacier
in the summer of 1957. Vest.LGU 13 no.12:186-190 '58.

(MIRA 11:12)

(Fedchenko Glacier--Scientific expeditions)

TEMNIKOVA, Natal'ya Sergeyevna; DROZDOV, O.A., prof., red.; USHAKOVA,
T.V., red.; SERGEYEV, A.N., tekhn.red.

[Climate of the Northern Caucasus and adjacent steppes] Klimat
Severnogo Kavkaza i prilezhashchikh stepei. Pod red. O.A.Drozdo-
va. Leningrad, Gidrometeor.isd-vo, 1959. 367 p. (MIRA 13:2)
(Caucasus, Northern--Climate)

SOKHRINA, Raisa Fedorovna, nauchnyy sotrudnik; CHELPANOVA, Ol'ga Mikhaylovna, kand.geogr.nauk; SHAROVA, Valeriya Yakovlevna, kand.geogr.nauk. Prinnimali uchastiye: RUBINSHTEYN, Ye.S., prof.; DROZDOV, O.A., prof., doktor geograf.nauk, red.; PRIK, Z.M.; PISAREVA, G.P., nauchnyy sotrudnik; GALINA, M.B.; KOSENKOVA, Z.D.; TIKHOMIROVA, N.A.; FEDOSHEVA, G.N.; POKROVSKAYA, T.V., kand.geograf.nauk, red.; PISAREVSKAYA, V.D., red.; VOLKOV, N.V., tekhn.red.

[Air pressure, air temperature and atmospheric precipitation in the Northern Hemisphere] Davlenie vozdukha, temperatura vozdukha i atmosfernye osadki severnogo polushariia. Pod red. O.A.Drozдова i T.V.Pokrovskoi. Leningrad, Gidrometeor.isd-vo, 1959. 473 p. [Atlas of charts] Atlas kart. (MIRA 13:4)
(Meteorology--Charts, diagrams, etc.)

DR. 2 Dev, O.A.

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PHASE I BOOK EXPLOITATION

SOV/3121

Leningrad. Glavnaya geofizicheskaya observatoriya

Voprosy sinopticheskoy klimatologii i geliogeofiziki (Problems of Synoptic Climatology and Helio-geophysics) Leningrad, Gidrometeoizdat, 1959. 81 p. (Series: Its: Trudy, vyp. 89) Errata slip inserted. 1,200 copies printed.

Sponsoring Agency: USSR. Glavnoye upravleniye gidrometeorologicheskoy sluzhby.

Ed. (Title page): L.A. Vitel's, Candidate of Geographical Sciences;
Ed. (Inside book): Yu.V. Vlasov; Tech. Ed.: N.V. Volkov.

PURPOSE: These ~~articles~~ are intended for geophysicists and meteorologists in the field of long-range weather forecasting.

COVERAGE: This is a collection of 8 articles in the field of synoptic climatology with emphasis on the methodology of long-range forecasting and problems in heliophysics in relation to weather. An analysis is given of studies conducted in the transfer

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of moisture over European USSR and the use of the results obtained in quantitative precipitation forecasting. Problems in the formation of thermal anomalies in the USSR, taking into account the inertia of the thermal regime, macrocirculation, and helio-geophysical relations, are discussed. Forecasting the level of the Caspian Sea for the coming ten-year period on the basis of expected solar activity is attempted. Problems in the verification of long-range weather forecasts are also discussed. References accompany individual articles.

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Grigor'yeva, A.S., and O.A. Drozdov. Applying the Characteristics of Moisture Transfer to Quantitative Forecasting of Precipitation	21
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DROZDOV, O. A.

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AUTHORS:

Anapol'skaya, L. Ye., Gandin, L. S.

SOV/50-59-2-23/25

TITLE:

Conference on Applied Climatology (Soveshchaniye po prikladnoy klimatologii)

PERIODICAL:

Meteorologiya i gidrologiya, 1959, Nr 2, pp 69 - 70 (USSR)

ABSTRACT:

Between October 27 and 31, 1958 a Conference on Applied Climatology was held at the Glavnaya geofizicheskaya observatoriya im. A. I. Voyeykova (Main Geophysical Observatory imeni A. I. Voyeykov). The conference was convened upon request of the Glavnoye upravleniye gidrometeorologicheskoy sluzhby (Main Administration of the Hydrometeorological Service). 91 institutes participated, among them 8 scientific research institutes of the Hydrometeorological Service, 20 UGMS, 12 planning organizations, and 34 scientific research institutes of various authorities. In all, participation amounted to 254 persons. 22 papers were read. V. P. Pastukh spoke on the experience of the GGO in the field of aiding the economy, O. A. Drozdov on space and time characteristics of the climate, V. N. Sokolov on the use of the calculation technique, N. K. Kiyukin on the work accomplished in the

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field of applied climatology of the Northeast of the USSR, Ye. S. Rubinshteyn spoke on the method developed by him for the determination of temperatures for the purpose of calculating the five cold days on the basis of the data of the monthly average temperature of the coldest month of the year. G. N. Ustinov suggested in his paper some principles by means of which the territory of the USSR should be divided in regions (for the planning of living quarters). V. M. Il'inskiy gave a survey of the requirements made of climatic data in regard of the projecting of protective structures. L. Ye. Anapol'skaya and L. S. Gandin reported on the method of statistical extrapolation developed by them for the determination of the frequency of high wind velocities. M. P. Barshteyn proposed a method for the determination of the gust coefficient based on the spectrum theory of turbulent pulsations. V. A. Otstavnov gave a survey of the requirements made of climatic data in calculating wind and snow loads on buildings. G. I. Chirakadze reported on the experience made in the consideration of the climate of health resorts in the Caucasus in planning and construction.

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L. A. Chubukov proposed a method for the analysis of the climates of health resorts based on a general climatology. A. P. Gritsyute studied some climatic characteristics of the Latvian health resorts from the point of view of therapeutics. N. K. Turoverov studied the influence of meteorological conditions on the Caucasian mineral springs. Yu. V. Vatkovskaya reported on climatological investigations for the purpose of modernizing and streamlining living conditions (housing, clothing). V. Yu. Milevskiy proposed a map of actual temperatures for the European part of the USSR. B. V. Tarnizhevskiy spoke on the "Consideration of Some Characteristics of the Radiation Climate Which Influence the Operation of Solar Power Plants". N. N. Aki-movich spoke on "The Wind Energy Reserves in the Prichernomorskaya Steppe". V. S. Samoylenko submitted extensive climatic characteristics for sea atlases and handbooks. A. I. Sorkina reported on the use of climatic data for indirect estimates of the wind and wave conditions on seas and oceans. R. I. Ivanov gave a survey of the tasks of,

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and requirements made of marine climatology for the
security of sea navigation.

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DROZDOV, O. A.

"Water Vapor Circulation Over Moderate Latitudes"

report to be submitted for the Intl. Geographical Union, 10th General Assembly
and 19th Intl. Geographical Congress, Stockholm, Sweden, 6-13 August 1960.

DROZDOV, Oleg Alekseyevich; POSTNIKOV, Konstantin Vyacheslavovich;
TSYBULIN, A.M., red.; MARCHUKOVA, M.G., red.isd-va

[Operation of "Khasan"-type vessels] Opyt ekspluatatsii
sudov tipa "Khasan." Moskva, Isd-vo "Morskoi transport,"
1960. 79 p. (MIRA 13:7)

1. Starshiy inzhener-teplotekhnik Sudostroitel'nogo khozyaystva
Baltiyskogo gosudarstvennogo morskogo parokhodstva (for Drodov).
2. Starshiy gruppovoy dispatcher Slushby ekspluatatsii Baltiyskogo
gosudarstvennogo morskogo parokhodstva (for Postnikov).
(Freighters--Handling) (Steamboats--Handling)

DRÖZDOV, O. A.

TABLE 1. BOOK INFORMATION

SON/2469
SON/2-8-88

longitud. Diameter profile always observed

Yarrow, edibility & climatology very illuminating! (Problems in General and Specific Climatology) London, Clarendon Press, 1960. 1st p. (Series: 11); 77p., 80). Kew also illustrated. 2,000 copies printed.

Additional Sponsoring Agency: USSR. Soviet Ministry of Defense Research Laboratory.

Ed. (Title Page): O. A. Brodsky, Doctor of Geographical Sciences; Ed. (Inside book):
P. V. Ushakov; Tech. Ed.: N. N. Plam.

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NOTE: This publication is intended for entomologists and agricultural climatologists.

CONCLUSION: The issue of the role topographical theory's presentation contains 12 articles dealing with wind-caused redistribution of precipitation, ice accumulation under various polar conditions, the characteristics of snow depth waves, and forest damage belts. The atmospheric precipitation of a large city area was analyzed. An evaluation of the velocity of moisture transport is presented. The results of the analysis of the relationship between the transfer of moisture and the formation of precipitation are discussed. The relationship between the variability of precipitation and the forms of atmospheric circulation is presented. The climatic conditions in individual regions of the USSR are described in three articles. No premonitions are omitted. References follow each article.

Abstract. A.J. The problem of the relationship between the amount of ice deposited on wires and the heater

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Author, T. B. In Defense of the Theory of Forest (Soil) Salt Constitu-
tion Types

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SECTION 3-3. Influence of a Large City Upon the Temperature, Al- bedity, and Precipitation

٤

Michini, V. M. Variability in the Bright of the Lower Boundary of the Lower Cloud Layer

3

Brudov, O. A. The Velocity of Moisture Spread Over a Given Territory

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relationship between the Avarage and the Turbulent
Transfer of Moisture Over the European USSR

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1970 Year, D. V. Many-faded Due to the Characteristics of the Pumps and Materiality of Circulation in Pumping Monthly Temperature Anomal.

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Dagisov, V. I. Climatic Change in the Central Chinese Plateau

!

Effects of the Kuroshio Eddy

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WINTER PERIOD OVER THE ARCTIC REGIONS OF EUROPEAN AND ASIATIC USSR IN RELATION TO THE VARIABILITY OF THE ELEMENTS OF TOTAL ATMOSPHERIC CLIMATE

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AVAILABLE: Library of Congress

DR. D. D. O. A.

PHASE I BOOK EXPLOITATION SOV/5729

Leningrad. Glavnaya geofizicheskaya observatoriya.

Voprosy prikladnoy klimatologii; sbornik statey (Problems in Applied Climatology; Collection of Articles) Leningrad, Gidrometeoizdat, 1960. 159 p. Errata slip inserted. 1,050 copies printed.

Sponsoring Agency: Glavnoye upravleniye gidrometeorologicheskoy sluzhby pri Sovete Ministrov SSSR. Glavnaya geofizicheskaya observatoriya im. A. I. Voyeykova.

Ed. (Title page): F. F. Davitay, Doctor of Agricultural Sciences;
Ed.: L. P. Zhdanova; Tech. Ed.: N. V. Volkov.

PURPOSE : This publication is intended for applied climatologists and planners in climate-dependent industries.

COVERAGE: This collection of 18 articles contains reports originally presented at the Conference on Applied Climatology in Leningrad in October 1958. The purpose of the conference was to summarize the results of research done in the field of applied

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Problems in Applied Climatology (Cont.)

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climatology and to point the way for further investigations. Individual articles deal with general problems in applied climatology and special problems in engineering and industrial climatology, medical and health resort climatology, climatic energy resources, and marine climatology. No personalities are mentioned. References follow individual articles.

TABLE OF CONTENTS:

Foreword

GENERAL PROBLEMS

Drozdov, O. A. [Glavnaya geofizicheskaya observatoriya im. A. I. Voyeykova -- Main Geophysical Observatory imeni A. I. Voyeykova]. Spatial and Temporal Climatic Characteristics Required to Serve the Needs of the National Economy 5

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Klyukin, N. K. [Kolymskoye upravleniye gidrometeorologicheskoy sluzhby -- Kolyma Administration of Hydrometeorological Service]. Some Problems in the Applied Climatology of Northeastern USSR 22

Rubinshteyn, Ye. S. [Main Geophysical Observatory imeni A. I. Voyeykov]. Methods of Determining the Rated Temperatures in Designing the Protective Structures of Buildings 31

Anapol'skaya, L. Ye., and L. S. Gandin [Main Geophysical Observatory imeni A. I. Voyeykov]. High-Velocity Wind Regime Over the USSR for Calculating Wind Loads on Structures 38

Dunayev, B. A. [Nauchno-issledovatel'skiy institut zhilishcha Akademii stroitel'stva i arkhitektury SSSR-- Scientific Research Institute of Housing of the Academy of Construction and Architecture USSR]. On the Necessity of Expanding the Program of Solar Radiation Observations With Respect to Housing Construction Needs 52
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- Magnitogorsk Mining and Metallurgical Institute]. Principles
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Braynina, Ye. Yu., and I. A. Nikiforov [Nauchno-issledovatel'-
skiy institut po stroitel'stvu - Scientific Research Institute
of Construction]. Climatological Data To Be Considered in
Designing Roofs Without Attics in Southern Regions 61

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skiy nauchno-issledovatel'skiy institut kommunal'noy gigieny--
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PROBLEMS IN MEDICAL AND HEALTH RESORT CLIMATOLOGY

Chirakadze, G. I. [Tbilisskiy nauchno-issledovatel'skiy gidrometeorologicheskii institut -- Tbilisi Hydrometeorological Scientific Research Institute]. Climatic Principles in Planning the Construction and Operation of a Health Resort 86

Chubukov, L. A. [Tsentral'nyy institut kurortologii i Institut geografii AN SSSR -- Central Institute of Natural Medical Factors and the Institute of Geography AS USSR]. Methods of the Comparative Analysis of the Climate of Health Resorts and Therapeutic Localities and Their Classification 90

Turoverov, K. K. [Gosudarstvennyy bal'neologicheskii institut na Kavkazskikh Mineral'nykh Vodakh -- State Balneological Institute at Kavkazskiy Mineral'nyye Vody (Caucasian Mineral Waters)]. Effect of Meteorological Conditions on the Regime of Mineral Springs of the Caucasian Mineral Waters 98

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Problems in Applied Climatology (Cont.)

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Milevskiy, V. Yu. [Leningradskiy gidrometeorologicheskii institut -- Leningrad Hydrometeorological Institute]. Effective Temperatures in European USSR

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Vadkovskaya, Yu. V. and K. A. Rappoport [Institut obshchey i kommunal'noy gigieny im. Sysina AN AMN SSSR -- Institute of General and Municipal Hygiene imeni Sysin AS Academy of Medical Sciences USSR], and L. A. Chubukov, and Ya. I. Fel'dman [Institute of Geography AS USSR]. Climatic Physiological Basis for Regionalizing the USSR for Purposes of Clothing Hygiene

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PROBLEMS OF CLIMATIC ENERGY RESOURCES

Tarnizhevskiy, B. V. [Energeticheskii institut AN SSSR - Power Engineering Institute AS USSR]. Consideration of Some Characteristics of Radiation Climate Affecting the Operation of Solar Power Plants

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Akimovich, N. N. [Odesskiy gidrometeorologicheskii institut - Odessa Hydrometeorological Institute]. Wind Resources of the Card 6/7

Problems in Applied Climatology (Cont.)

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Prichernomorskaya (Black Sea) Steppe

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PROBLEMS OF MARINE CLIMATOLOGY

Sorkina, A. I. [Gosudarstvennyy okeanologicheskiy institut
-- State Oceanological Institute]. Use of Climatological Data
for Characteristics of Wind-Generated Waves and Currents
in the Seas and Oceans

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JA/dwm/jw
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PLATE I BOOK EXPLANATION 504/5475

USSR. Glavvostok upravleniye gidrometeorologicheskoy sluzhby

Trudy i volnyy rezhim zemnoy poverkhnosti (Thermal and Water Regime of the Earth's Surface) Leningrad, Gidrometizdat, 1960. 191 p. Errata slip inserted. 600 copies printed.

Sponsoring Agency: Glavvostok upravleniye gidrometeorologicheskoy sluzhby pri Sovetskom Ministre SSSR.

Eds. (title page): I. P. Gerasimov, Academician, M. I. Budyko, Doctor of Physics and Mathematics, and A. P. Dal'tsov, Doctor of Geographical Sciences; Ed.: M. M. Yarnogorodskaya; Tech. Ed.: M. I. Bryagina.

NOTES: This publication is intended for geophysicists, geographers, climatologists, agronomists, and agriculturists.

CONTENTS: The seventeen articles contained in this publication represent condensed versions of reports presented at the Conference on the Heat and Water Regime of the Earth's Surface, convened by the Gidrometeorologicheskaya observatoriya im. A. I. Voznyakova (Main Geophysical Observatory named A. I. Voznyakov) in April 1958. Individual articles deal with the investigation of the thermal balance of the earth's surface, problems of the generation of climate related to heat and moisture exchange, the indicators of heat and water balance in agriculture, and problems related to the effect of hydro-meteorological factors upon complex geographical processes and phenomena. No personalities are mentioned. References follow individual articles. ussryevskiy, B. L., and Yu. L. Rumer [Institute of Geography, AS USSR] -- Institute of Geography, AS USSR]. The State and the Tasks of Investigating the Heat Balance of a Forest

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Kalinin, G. P. [Centralnyy institut prognozov -- Central Institute of Weather Forecasting]. General Reasons for the Investigation of Water Balance

Popov, O. V., and V. I. Kuznetsov [Gosudarstvennyy gidrometeorologicheskii institut -- State Hydrological Institute]. Experimental Investigation of the Elements of the Water Balance on Dry Land

Ivovich, M. I. [Institute of Geography, AS USSR]. Methods of Runoff Investigation on the Basis of Water Balance

Budagovskiy, A. I. [Institute of Geography, AS USSR]. Investigation of the Water Balance of Soil

Golitskiy, A. P. [Institute of Geography, AS USSR]. The State and the Tasks of the Studies of the Causes of Climate

Borovskiy, M. N. [Main Geophysical Observatory named A. I. Voznyakov]. Basic Problems of the Theory of Climate

Kuznetsov, V. I. [Gosudarstvennyy gidrometeorologicheskii institut -- State Hydrological Institute]. The State and the Tasks of the Studies of the Causes of Climate

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Timofeyev, M. P. [Main Geophysical Observatory named A. I. Voznyakov]. Heat Balance and the Microclimate

Orlovskiy, A. A. [Academician, Institute of Geography, AS USSR]. The Role of Heat and Moisture Exchange in the Structure and Development of the Geographic Mosaic (Mainly in the Lowlands of the Temperate Zone) and Their Significance in the Productivity of Agricultural Crops

Gerasimov, I. P. [and O. S. Rykova, Institute of Geography, AS USSR]. Hydrothermal Factors in Soil Formation

Kuznetsov, V. I. [Institute of Geography, AS USSR]. AS Aerobio-geography, 1958]. Total Regime of Energy for Soil Formation in Relation to the Hydrothermal Conditions

Lavrenko, Ye. M. [Institute of Geography, AS USSR]. Potential Limitations, AS USSR]. Hydrothermal Factors and the Geography and Ecology of the Vegetation Cover

Perlovskiy, P. P. [Central Institute of Weather Forecasting]. Water and Heat Regime of the USSR and Some Problems of Agriculture

DROZDOV, O.A.; RUBINSHTEYN, Ye.S.

A book on the climatology of the U.S.S.R. ("Climate of the U.S.S.R."
Vol. 1: The European U.S.S.R. Reviewed by O.A.DrozdoV, Ye.S.Rubinshteyn).
Izv. AN SSSR. Ser. geog. no.6:135-137 M-D '60. (MIRA 13:10)
(Russia--Climate)

DROZDOV, O.A.

Characteristics of local winds in mountain regions. Vest. LGU 15
no.24:83-92 '60. (MIRA 13:12)

(Winds)

RUDNEVA, Anna Vladimirovna; DROZDOV, O.A., ~~otv. red~~ ; YASNOGORODSKAYA,
M.M., red.; SERGEYEV, A.N., ~~tekhn. red.~~

[Glazed frost and icing of electric lines in the U.S.S.R.] Golo-
led i obledenenie provodov na territorii SSSR. Leningrad, Gidro-
meteor. izd-vo, 1961. 174 p. maps. (MIRA 14:9)
(Electric lines--Overhead)

KOSTIN, Sergey Iosifovich; POKROVSKAYA, Taisiya Vasil'yevna; DROZDOV,
O.A., otv. red.; ZHDANOVA, L.P., red.; SOLOVEYCHIK, A.A., tekhn.
red.; BRAYNINA, M.I., tekhn. red.

[Climatology] Klimatologiya. 2. izd., ispr. i dop. Leningrad,
Gidrometeor. izd-vo, 1961. 485 p. (MIRA 14:10)
(Climatology)

BROYDO, L.G.; DROZDOV, O.A.; GOL'TSBERG, I.A.

"Agricultural meteorology" by V.I.Vitkevich. Reviewed by L.G.
Groido, O.A.Drozdo, I.A.Gol'tsberg. Meteor.i gidrol. no.5:49-53
My '61. (MIRA 14:4)

(Meteorology, Agricultural)

(Vitkevich, V.I.)

DROZDCV, O.A.; POKROVSKAYA, T.V.

Estimating the role of accidental variations of the water balance
and level fluctuations in landlocked lakes. Meteor. i gidrol.
no.8:43-48 Ag. '61. (MIRA 14:7)

(Lakes)

DROZDOV, O.A.

Estimating the moisture circulation over large areas. Trudy GGO
no.111:3-14 '61. (MIRA 15:1)

(Humidity)

DROZDOV, O.A.; SORUCHAN, O.G.

Brief survey of works on the characteristics of monsoons completed
in Russia and the U.S.S.R. Trudy GGO no.111:49-63 '61.

(MIRA 15:1)

(Monsoons)

DROZDOV, O.A.

Principles underlying the efficient organization of a network of meteorological stations. Trudy GGO no.123:33-46 '61.

(MIRA 14:8)

(Meteorological stations)

DROZDOV, O.A., doktor geogr. nauk, red.; RUBINSHTEYN, Ye.S., doktor
geogr. nauk, red.; YASNOGORDSKAYA, M.M., red.; ALEKSEYEV,
A.G., tekhn. red.; BRAYNINA, M.I., tekhn. red.

[Transactions of the All-Union Meteorological Conference]
Trudy Vsesoiuznogo nauchnogo meteorologicheskogo soveshcha-
niia. Leningrad, Gidrometeor. izd-vo. Vol.4. [Section on
climatology] Sektsiia klimatologii. Pod red. O.A. Drozdova,
E.S. Rubinshtein. 1962. 526 p. (MIRA 16:3)

1. Vsesoyuznoye nauchnoye meteorologicheskoye soveshchaniye.
1st, Leningrad, 1961. 2. Leningradskiy gosudarstvennyy uni-
versitet (for Drozdov). 3. Glavnaya geofizicheskaya obser-
vatoriya (for Rubinshteyn).

(Climatology)

ATMOSPHERIC CIRCULATION AND SECULAR VARIATION OF PRECIPITATION
(USSR)

Drozdov, O. A. IN: Pervaya nauchnaya konferentsiya po obshchey tsirkulyatsii atmosfery (14-18 Marta 1960). Trudy. (Transactions of the First Scientific Conference on General Atmospheric Circulation (14-18 March 1960)). Moskva, Gimiz, 1962. 35-39.
S/920/62/000/000/003/005

Experience has shown that relationships between G. Ya. Vangengeym's circulation types and the distribution of precipitation amounts are not distinct. The author investigates the secular variation of precipitation amounts over various portions of the USSR during the years 1891 to 1955 in an attempt to establish a correlation between total precipitation values in winter months and the meridional gradient of the air temperature (the one element more widely observed over longer periods of time than the precipitation). By means of 10 years' consecutive means of the two elements, the author established the existence of a cycle which conforms to the Brückner cycle and showed that there was a minimum of precipitation over a large portion of the USSR during the years 1940 to 1950. The results were verified by a comparison with consecutive means at different intervals and by an analysis of the smoothness of the cyclic curves according to B. P. Veynberg's criteria of randomness.

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[GSM]

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S/169/63/000/003/029/042
D263/D307

AUTHOR: Drozlov, O.A.

TITLE: Atmospheric circulation and secular course of precipitation

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 3, 1963, 39-40, abstract 3B229 (Tr. 1-y Nauchn. konferentsii po obshch. tsirkulyatsii atmosfery, 1960, M., gidrometeoizdat 1962, 35-39)

TEXT: The author studied the connection between the secular variation of Vangengeym's types of circulation and the secular variations of the 10-year moving averages of the magnitudes of precipitation and temperature. Since of the recurrence of the 3 main forms of circulation only 2 are independent, it is possible to study the relation of meteorological values (for various points or regions) to Vangengeym's types of circulation, with the aid of isopleths. As the independent variable parameters were selected the frequencies of the occurrence of various types of circulation, and the differ-

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D263/D307

ences in the occurrence of C and E types. The amounts of precipitation were plotted on curves, in definite points for November-March. A certain relation was found between the distribution of precipitates and the types of circulation. Thus greater precipitation in Kazan' was accompanied by greater frequency of the W type, with considerable predominance of E over C, or by low frequency of W and a slight predominance of E over C. The relation between secular variations of precipitation and temperature is discussed. For the cold period a relation was found between precipitation and temperature differences along the meridian. It was shown that in the summer positive temperature anomalies correspond to negative precipitation anomalies and vice versa. Inverse relationships are however only shown in secular variations of precipitations and temperature for anomalies of shorter duration than a few decades. (3 refs.)

[Abstracter's note: Complete translation]

Card 2/2

S/531/62/000/133/004/004
A052/A126

AUTHOR: Drozdov, O. A.

TITLE: On some problems of turbulent diffusion

SOURCE: Leningrad. Glavnaya geofizicheskaya observatoriya. Trudy, no. 133, 1962. Voprosy obshchey i sinopticheskoy klimatologii. 138 - 178

TEXT: In the first approximation the transfer of a passive substance by turbulent pulsations for a steady process is expressed by Fikk's differential equation. The beginning of the dissipation process characterized by particle cloud propagation is expressed by another type of differential equation. The laws of diffusion in this stage were studied by other authors before. The differential equation for an unsteady process under conditions of a slow diffusion was derived for the first time by B. I. Davydov in 1935 and for turbulent diffusion by Ye. S. Lyapin in 1948. This equation was integrated to apply to the conditions of the atmosphere. All these equations are based on a steady process; however, also in this case there are many complicating factors, especially, as is often the case, when the conditions of passivity (1. conservation of substance

Card 1/3

S/531/62/000/133/004/004
A052/A125

On some problems of turbulent diffusion

during transfer; 2. indestructibility; 3. independence of the turbulence coefficient K of substance concentration) are not fulfilled. In the atmosphere the effect of radiation heat exchange distorts the rule of substance conservation during transfer. Heat liberation and absorption at phase conversions of atmospheric water, transformation of motion energy into heat energy at dissipation, etc., distort the principle of indestructibility in its elementary form, giving it a more general form of the kinetic energy conservation law. An equation is derived for the transfer of pulsations and vortices by pulsations. Thereby the transformation of pulsations into heat is neglected. When deriving the differential equations of velocity-pulsation diffusion the author makes use of quantum mechanics methods taking into account the more general character of turbulence theory equations. In the turbulence theory K can also be a function of time. By transforming the relevant quantum mechanics equation the author derives a mathematical expression of the rule that in the absence of an energy supply from outside the amount of energy coming in at a given point on account of transfer is equal to the consumption for vortex dissipation, this being the condition of a stationary pulsation field. Some special cases of imaginary diffusion met in meteorology are discussed. They are 1) transfer of a substance the vectorial

Card 2/3

On some problems of turbulent diffusion

8/531/62/000/133/004/004
A052/A126

properties of which change in the process of transfer or are in general indeterminate (a transfer of nothing); 2) the tendency of the wind owing to the deflection of the Earth's rotation to move along the isobar with a deviation connected mainly with the inertia of the flow and, at the Earth's surface, with the friction force (a transfer to nowhere). The analogies of the turbulence theory with quantum mechanics and their limitations are analyzed. In spite of the limited analogy between equations for turbulent media and those of quantum mechanics it is still useful to introduce for the macrouniverse some conceptions which hitherto were considered as specific for the microuniverse. The most important of them is the principle of indefiniteness which characterizes some properties of turbulent-motion parameters especially important for the study of the macroturbulence. There are 4 figures.

Card 3/3

DROZDOV, Oleg Alekseyevich, doktor geogr. nauk; GRIGOR'YEVA, Anna
Sergeyevna, kand. geogr. nauk. Prinsipal' uchastiye
BASHTAN, N.S., assistant; POKROVSKAYA, T.V., otv. red.;
KOTIKOVSKAYA, A.B., red.; BRAYNINA, M.I., tekhn. red.

[Moisture circulation in the atmosphere] Vлагооборот v
atmosfera. Leningrad, Gidrometeoizdat, 1963. 314 p.
(MIRA 16:8)

1. Kafedra meteorologii geograficheskogo fakul'teta
Leningradskogo gosudarstvennogo universiteta (for Bashtan).
(Moisture)

DROZDOV, O.A.; KAROL', B.P.

All-Union Conference on the Results of the IGY. Vest. LGU 18
no.12:142-143 '63. (MIRA 16:8)
(International geophysical year, 1957-1958)

DROZDOV, O.A.; SHAROVA, V.Ya.; SHVER, TS.A.

Calculation of the average amount of precipitation over a period
of many years. Trudy GGO no.148:98-114 '63. (MIRA 16:6)
(Precipitation (Meteorology))

DROZDOV, O.A.; POKROVSKAYA, T.V.

Lazar' Abramovich Vitel's; on his 60th birthday. Meteor.
i gidrol. no.5:62-63 My '64. (MIRA 17:6)

DROZDOV, O. A.

Properties of integral-difference curves. Trudy GGO no. 1623-6
'64 (MIRA 17:7)

DROZDOV, O.A., doktor geograf. nauk

Structure of the region of entry of water vapor into the
atmosphere most favorably affecting moisture circulation.
Trudy GGO no.164:74-76 '64. (MIRA 17:9)

KHROMOV, Sergey Petrovich; DROZDOV, O.A.. ~~retsenzent~~; POKROVSKAYA,
T.V., ~~retsenzent~~; ~~KAROL~~, B.I.; ~~et al.~~ red.

[Meteorology and climatology for geography departments]
Meteorologiya i klimatologiya dlia geograficheskikh fa-
kul'tetov. Leningrad, Gidrometeoizdat, 1964. 498 p.
(MIRA 18:1)

DROZDOV, O.A.; ZURENOK, I.I.; NECHAYEV, I.N.

Errors in calculating atmospheric precipitation. Trudy GGO
no.175:24-30 '65. (MIRA 18:8)

1. Glavnaya geofizicheskaya observatoriya im. A.I.Voyeykova,
Leningrad.

DROZDOV, V.A.

Notes of statistical regularities in meteorology and climatology.
Study GGO no.181:3-13 '65.

(MIRA 18:10)

L 16591-66 EWT(1)/FCC GW

ACC NR: AT6006610

SOURCE CODE: UR/2531/65/000/181/0014/0045

AUTHOR: Drozdo, O. A. (Doctor of geographical sciences); Orlova, V. V.; Shver, Ts. A.

ORG: Main Geophysical Observatory im. A. I. Voyeykov (Glavnaya geofizicheskaya observatoriya)

TITLE: Optimum duration of an averaging period in climatological investigations

SOURCE: Leningrad. Glavnaya geofizicheskaya observatoriya. Trudy, no. 181, 1965. Voprosy obshchey i sinopticheskoy klimatologii (Problems in general and synoptic climatology), 14-45

TOPIC TAGS: ~~atmospheric phenomenon~~, atmospheric temperature, atmospheric precipitation, meteorologic observation, *climatic condition*

ABSTRACT: Current problems concerning the selection of duration of an averaging period in meteorological observations have been investigated. A new experimental method of checking the degree of climatic stabilities, based on a number of atmospheric temperature and precipitation observations has been suggested. The authors present tabulated data on average differences between mean temperatures

Card 1/2

L 15591-66

ACC NR: AT6006610

for 10-, 25- and 50-year periods with temperatures for individual subsequent years and data on precipitation. Orig. art. has: 2 figures and 3 tables.
[Based on author's abstract]

SUB CODE: 04/ SUBM DATE: none/

Card 2/2 *net*

DROZDOV, O.A.; KUZNETSOVA, I.P.; NECHAYEV, I.N.

Determine the characteristics of precipitation within a region.
Trudy GGO no.181:121-136 1965.

(MIRA 18:10)

DROZDOV, O.A.; RUBINSHTEYN, Ye. S.

What should be defined as climatic norms. Izv. AN SSSR. Ser.
geog. no. 1:93-98 Ja-F '66 (MIRA 19:2)

1. Glavnaya geofizicheskaya observatoriya imeni A.I. Voyeykova.

L 17116-66 EWT(1) GW
ACC NR: AR6019877 SOURCE CODE: UR/0169/66/000/002/B038/B038

AUTHOR: Drozdo, O. A.

14
B

TITLE: Mountain-valley circulation in the valleys of the Fedchenko and Zeravshansk glaciers

SOURCE: Ref. zh. Geofizika, Abs. 2B259

REF SOURCE: Sb. Materialy glyatsiol. issled. Khronika, Obsuzhd. Vyp. 11, M., 1965, 77-81

TOPIC TAGS: atmospheric circulation, mountain valley circulation, glacier, wind, glacial wind

ABSTRACT: The results of the analysis of balloon observations of the Zeravshansk glacier in 1946 and 1962, and the Fedchenko glacier and in several neighboring valleys in 1959 are given. In valleys of large glaciers during a greater part of the day, particularly when the proper glacier wind combines with the mountain wind, the power of the wind directed downhill reaches several

UDC: 551.553.12

Card 1/2

L 47116-66

ACC NR: AP6019877

0

hundred meters. Only at noon when the air above the snow-covered slopes is somewhat warmer than the free atmosphere, a layer of valley wind with a capacity of 100-200 m begins to expand under a thin layer of glacial wind. On the Fedchenko glacier, the component of the descending wind can reach the level of a western general circulation wind even during the day. In some cases this can create quasi-compensatory currents at higher altitude; in other cases, the entire valley can be filled with a wind having a single direction—almost the whole day. Sometimes this current completely stops the mountain-valley circulation, at least in downhill direction. The rather high stability of air circulation along the valleys in the examined area does not give basis to assume any significance for the role of catabatic and anabatic factors. [Translation of abstract] [FM]

SUB CODE: 04/

ES
Card 2/2

ACC NR: AP7002140

SOURCE CODE: UR/0050/66/000/012/0027/0030

AUTHOR: Drozdov, O. A. (Professor)

ORG: Main Geophysical Observatory (Glavnaya geofizicheskaya observatoriya)

TITLE: The causes of the equilibrium temperature lapse rate, differing from the adiabatic one

SOURCE: Meteorologiya i gidrologiya, no. 12, 1966, 27-30

TOPIC TAGS: adiabatic process, atmospheric temperature gradient, atmospheric phenomenon

ABSTRACT: Processes affecting the formation of an equilibrium temperature lapse rate differing from the adiabatic one are discussed. The concept of the equilibrium temperature lapse rate discussed earlier in detail by M. I. Budyko and M. I. Yudin (Teplovoy obmen u poverkhnosti Zemli s atmosferoy i ravnovesnyy gradiyent temperature. Meteorologiya i gidrologiya, No. 1, 1948) are confirmed and expanded. The following problems related to the main subject are presented: 1) sources of the horizontal temperature discontinuity in the atmosphere; 2) energy transferred by means of horizontal temperature pulsations; 3) magnitude of the vertical heat currents resulting from the horizontal temperature discontinuity at different spatial scales. It is pointed out that processes related to the vertical redistribution of

Cord 1/2

UDC: 551.524.77

ACC NR: AP7002140

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heat through large geographical areas utilize the heat accumulated in the lower layers of the atmosphere. While within the limits of the boundary layer the heat transfer mainly occurs through rising pulsations, in the free atmosphere the basic process in the formation of the equilibrium temperature lapse rate (which is different from the adiabatic) takes place in the region of large scale mixing. Thus, in atmosphere under conditions of horizontal thermal discontinuity, a vertical flow of heat into the upper layers occurs at lapse rates considerably lower than the adiabatic ones, provided there exists a source of energy supporting the presence of such discontinuities.

SUB CODE: 04/

SUBM DATE: 18Mar66/

ORIG REF: 006/

OTH REF: 001

Card 2/2

DROZDOV, O.D.; RUDNEVA, A.V.

Height variation in the deposition of ice on wires. Trudy 040 no.57:80-
87 '56. (MIRA 10:1)

(Electric wires--Cold weather conditions)
(Ice)

DROZDOV, P., kand.tekhn.nauk

Machine for making reedwork panels. Sel'. stroi. 15 no.12 supplement:
3-4 D '60. (MIRA 13:12)

(Reeds (Botany))

DROZDOV, P.; KIVITS, N.

Along with confidence. Av. 1947. 21. 1947. 1947.

(1947. 1947)

(O. elyabirsk--Motor us. 1947)

10000-67 SBT(m)/BWP(w)/BWP(t)/ETI LJP(c) SD/JH
ACC NR: AP6029676 (A) SOURCE CODE: UR/0136/66/000/002/0022/0070

AUTHORS: Kolachov, B. A.; Livanov, V. A.; Drozdov, P. D.; Bukhanova, A. A.

ORG: none

TITLE: Mechanical properties of alloy MA2-1 containing different concentrations of hydrogen

SOURCE: Tsvetnyye metally, no. 8, 1966, 88-90

TOPIC TAGS: magnesium alloy, hydrogen, hydrogen embrittlement / MA2-1 magnesium alloy

ABSTRACT: The mechanical properties of the alloy MA2-1 were determined as a function of its hydrogen content. The investigation was initiated to corroborate a mechanism for hydrogen embrittlement in metals, as proposed by B. A. Kolachov, V. A. Livanov, A. A. Bukhanova, and N. Ya. Gusel'nikov (Novyye issledovaniya titanovykh splavov. Izd. Nauka, 1965 s. 212). The mechanical properties of the specimens were ascertained after annealing in air and in vacuum at 300C for 10 hours. The hydrogen content of the specimens, determined after A. P. Gudchenko and A. K. Leont'yev (Sb. Trudy MATI, 1961, vyp. 49, s. 137), was 18 cm³ and 9 cm³ per 100 g respectively. The experimental results are presented graphically (see Fig. 1). It was found that these results agree with the proposed dislocation hypothesis of hydrogen embrittlement.

Card 1/2

UDC: 669.715:620.1

L 10683-57

ACC NR: AP6029676

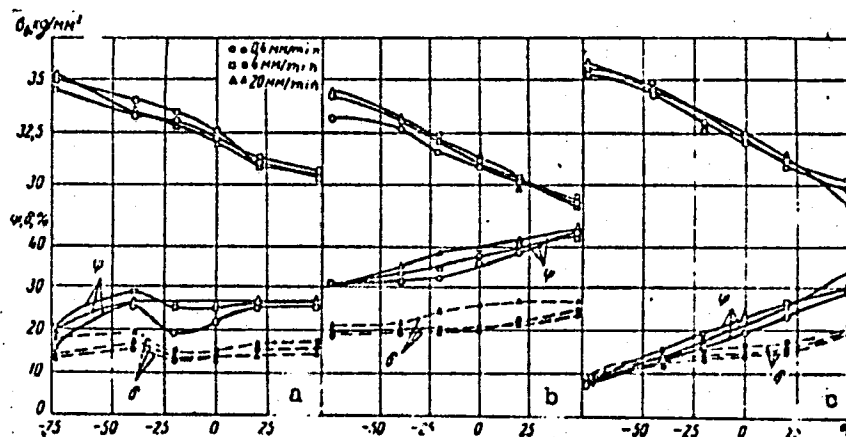


Fig. 1. Influence of the experimental temperature on the mechanical properties of alloy MA2-1: a - hot-pressed state; b - after vacuum annealing at 3000 for 10 hours; c - after air annealing at 3000 for 10 hours

Orig. art. has: 3 graphs.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 001

Card 2/2

DROZDOV, P.F., inzhener (Moscow)

Calculation of eccentric compressed rods allowing for lateral bending. Issledovaniia po teorii sooruzhenii. Sbornik statei no.6: 123-133 '54. (MIRA 7:11)
(Structures, Theory of) (Strains and stresses) (Elastic plates and shells)

DROZDOV, P.F., kandidat tekhnicheskikh nauk.

Mechanizing plants of prefabricated reinforced concrete elements.
Mekh.trud.rab. 8 no.6:38-42 Ag-S '54. (MLRA 7:9)
(Precast concrete construction)

DROZDOV, P.F., kandidat tekhnicheskikh nauk; SHESTOV, B.S., inzhener

Precast reinforced concrete standard elements for buildings and
structures of the coal industry. Bet. i shel.-bet. no.1:15-20 Ap '55.
(Precast concrete construction) (MIRA 8:9)

[K]
DROZDOV, P., kandidat tekhnicheskikh nauk.

Precast reinforced concrete and large block construction of dwellings for miners. Mast.ugl. 4 no.12:16-18 D '55. (MLRA 9:3)
(Housing) (Precast concrete construction)

SOV/124-58-3-3327

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 3, p 111 (USSR)

AUTHOR: Drozdov, P. F.

TITLE: On the Calculation of Steel Beams Under Initial Eccentric Compression (K raschetu stal'nykh sterzhney, szhatykh s nachal'nyimi ekstsentristsitetami)

PERIODICAL: Sb. tr. Mosk. inzh. -stroit. in-t, 1956, Nr 10, pp 118-145

ABSTRACT: A practical design-calculation method of beams under unequal-eccentricity compression is presented. It is pointed out that this method of calculation results in a considerable economy of material as compared to the conventionally used Yasinskiy formula for eccentrically compressed beams. The method is illustrated by a numerical sample. There are some easily corrected misprints. Similar results are contained in a paper by Young (Young D. H. , ASME and ASCE, Chicago, June, 1933).

Zh. S. Sinyan

Card 1/1

DROZDOV, P.F., kandidat tekhnicheskikh nauk.

Efficient design of sectional reinforced concrete timbering.

Snakht.stroi. no. 3:1-5 Mr 157.

(MIRA 10:7)

(Mine timbering) (Reinforced concrete constructions)

DROZDOV, P.F., kandidat tekhnicheskikh nauk.

Efficient design of sectional reinforced concrete timbering.
Shakht.stroi.no.4:5-10 Ap '57. (MIRA 10:7)
(Mine timbering) (Reinforced concrete construction)

DROZDOV, P., insh.

The Khersonets-2 cane slabbing machine. Stroitel' no.10:29 0 '57.
(MIRA 10:11)
(Building materials)

DROZDOV, Pavel Filaretovich; SLAVIN, D.S., otv.red.; CHEKHOVSKAYA, T.P.,
red.izd-va; IL'INSKAYA, G.M., tekhn.red.; NADEINSKAYA, A.A.,
tekhn.red.

[Precast reinforced concrete construction elements in mines]
Sbornye zhelezobetonnye konstruktsii v shakhtnom stroitel'stve.
Moskva, Ugletekhnizdat, 1958. 325 p. (MIRA 12:1)
(Mining engineering) (Precast concrete construction)

DROZDOV, R.F.

AGALINA, M.S., inzh.; AKUTIN, T.K., inzh.; APRESOV, A.M., inzh.; ARISTOV, S.S., kand. tekhn. nauk.; BELOSTOTSKIY, O.B., inzh.; BERLIN, A.Ye., inzh.; BESSKIY, K.A., inzh.; BLYUM, A.M., inzh.; BRAUN, I.V., inzh.; BRODSKIY, I.A., inzh.; BURAKAS, A.I., inzh.; VAYNMAN, I.Z., inzh.; VARSHAVSKIY, I.N., inzh.; VASIL'YEVA, A.A., inzh.; VORONIN, S.A., inzh.; VOYTSEKHOVSKIY, L.K., inzh.; VRUBLEVSKIY, A.A., inzh.; GERSHMAN, S.G., inzh.; GOLUBYATNIKOV, G.A., inzh.; GORLIN, M.Yu., inzh.; GRAMMATIKOV, A.N., inzh.; DASHEVSKIY, A.P., inzh.; DIDKOVSKIY, I.L., inzh.; DOBROVOL'SKIY, N.L., inzh.; ~~DROZDOV, R.F.~~, kand. tekhn. nauk.; KOZLOVSKIY, A.A., inzh.; KIRILENKO, V.G., inzh.; KOPELYANSKIY, G.D., kand. tekhn. nauk.; KORETSKIY, M.M., inzh.; KUKHARCHUK, I.N., inzh.; KUCHER, M.G., inzh.; MERZLYAK, M.V., inzh.; MIRONOV, V.V., inzh.; NOVITSKIY, G.V., inzh.; PADUN, N.M., inzh.; PANKRAT'YEV, N.B., inzh.; PARKHOMENKO, V.I., kand. biol. nauk.; PINSKIY, Ye.A., inzh.; POLEUBNYI, S.A., inzh.; PORAZHENKO, F.F., inzh.; PUZANOV, I.G., inzh.; REDIN, I.P., inzh.; REZNIK, I.S., kand. tekhn. nauk.; ROGOVSKIY, L.V., inzh.; RUDERMAN, A.G., inzh.; RYBAL'SKIY, V.I., inzh.; SADOVNIKOV, I.S., inzh.; SEVER'YANOV, N.N., kand. tekhn. nauk.; SEMESHKO, A.T., inzh.; SIMKIN, A.Kh., inzh.; SURDUTOVICH, I.N., inzh.; TROFIMOV, V.I., inzh.; FEFER, M.M., inzh.; FIALKOVSKIY, A.M., inzh.; FRISHMAN, M.S., inzh.; GHERESHNEV, V.A., inzh.; SHESTOV, B.S., inzh.; SHIFMAN, M.I., inzh.; SHUMYATSKIY, A.F., inzh.; SHCHERBAKOV, V.I., inzh.; STANCHENKO, I.K., otv. red.; LISHIN, G.L., inzh., red.; KRAVTSOV, Ye.P., inzh., red.; GRIGOR'YEV, G.V., red.; KAMINSKIY, D.N., red.; KRASOVSKIY, I.P., red.; LETTMAN, L.Z., red. [deceased]; GUREVICH, M.S., inzh., red.; DANILEVSKIY, A.S., inzh., red.; DEMIN, A.M., inzh., red.; KAGANOV, S.I., inzh., red.; KAUFMAN, B.N., kand. tekhn. nauk., red.; LISTOPADOV, M.P., inzh., red.; MENDELEVICH, I.R., inzh., red. [deceased];
(continued on next card)

AGALINA, M.S.... (continued) Card 2.

PENTKOVSKIY, N.I., inzh., red.; ROZENBERG, B.M., inzh., red.; SLAVIN, D.S., inzh., red.; FEDOROV, M.P., inzh., red.; TSYMBAL, A.V., inzh., red.; SMIRNOV, L.V., red. izd-va.; PROZOROVSKAYA, V.L., tekhn. red.

[Mining ; an encyclopedic handbook] Gornoe delo; entsiklopedicheskiy spravochnik. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po ugol'noi' promyshl. Vol. 3. [Organization of planning; Construction of surface buildings and structures] Organizatsiya proektirovaniya; Stroitel'stvo zdaniy i sooruzheniy na poverkhnosti shakht. 1958. 497 p. (MIRA 11:12)
(Mining engineering)
(Building)

97-58-5-2/14

AUTHOR: Drozdov, P.F. Candidate of Technical Sciences

TITLE: Precast Reinforced Concrete Constructions used in the Mining Industry. (Sbornyye zhelezobetonnye konstruktsii v shakhtnom stroitel'stve)

PERIODICAL: Beton i Zhelezobeton. 1958. No. 5. USSR Pp 164-169

ABSTRACT: The use of precast reinforced concrete in connection with the mining industry increased from 86,600m³ in 1954 to 1,100,000m³ in 1957. Precast reinforced concrete constructions were used in mines before both in buildings above ground and underground e.g. bunkers, stores, transportation ramps, shaft tubes and for the propping of galleries etc. The author describes in this Article the planning and construction of various buildings e.g. administrative blocks and living accommodation constructed from precast reinforced concrete units. These buildings are also described in the Article by P.F. Drozdov and B.S. Shestov in Beton i Zhelezobeton 1955 No. 1. Figure 1 illustrates a building consisting of an administrative block and living accommodation which was designed by Yuzhgiproshacht and which uses the same constructional lay-out throughout. Figure 2 gives constructional details of the foundation blocks, beams stanchions and floor slabs of these buildings. Further examples of the use of precast reinforced concrete units can be seen in the main building of the Mosbass mine illustrated in Figure 3.

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97-58-5-2/14

Precast Reinforced Concrete Constructions used in the Mining Industry

Figure 4 illustrates the assembly of precast reinforced concrete bunkers in the Kuzbass mine a cross section of which is shown in Figure 5. The assembly of bunkers for coal storage constructed from precast reinforced concrete units in the Kuzbass mine is illustrated in Figure 6. Its storage capacity is $1\frac{1}{2}$ million tons of coal per year. The floors of these bunkers are of ribbed reinforced concrete slabs spanning 6m and the roofs from slabs Type PKZh. According to the experience of Kuzbassgiproskhkh the new construction of these bunkers saves 50% building labour in comparison with the in situ type of bunker. Furthermore the volume of reinforced concrete is reduced by 22% and the total volume of the building is reduced by 9%. Figure 7 illustrates a six storey high building serving as a coal transporting centre built of precast reinforced concrete constructions similar to those described above. Figure 8 illustrates a shaft tower constructed from precast reinforced concrete at the Mozbass mine and this structure consists of 20 standardised ribbed panels which allow variation in the height of the tower from 15-30m. Recently the tendency has been to build these shaft towers for multi-cable lifts in which case the machine

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97-58-5-2/14

Precast Reinforced Concrete Constructions used in the Mining Industry

is situated on the top of the tower. These new shaft towers were designed by Yuzhgiproskhat for the Dcnbass, Kuzbass and Karaganda mines (see Figure 9). A detailed description of the shaft tower and adjoining wings is given. The machine room is roofed with standard panels PKZh which rest on prestressed beams Type PK-01-07. The construction of shaft walling was recently described in an article by E.P. Kravtsov in Beton i Zhelezobeton 1955 No.5. The author describes the new construction of ribless segments (UBT) manufactured by Stalingiproskhat and Tsentrogiproskhatostroy according to the design of B.S. Shestov, Engineer. The big advantage of this type of design is that it is easily mass produced and these units could be used for shafts of any diameter. At its maximum diameter the units form a circle but in the case of smaller diameters the shape is a polygon. The standard type of precast reinforced concrete propping is the ribbed slab (URP) designed and manufactured by VNIIONShS. Figure 10 illustrates the propping up of a gallery in a mine with URP units and Figure 11 shows details of these propping units. Figure 12 shows the connection of two propping slabs

97-58-5-2/14

Precast Reinforced Concrete Constructions in the Mining Industry.

Use of these precast reinforced concrete propping slabs
saves more than 500m³ of timbering and 200tons of steel
per 1km of gallery.

1. Reinforced concrete--Applications
2. Construction--Materials

Card 4/4

DROZDOV, Pavel Filaratovich, dots., kand. tekhn. nauk; SHESTOV, B.S.,
nauchn. red.; SERGEYEV, D.D., nauchn. sotr., retsenzent;
MKRTUMYAN, A.K., nauchn. sotr., retsenzent; BOLOTINA, A.V.,
red. izd-va; KASIMOV, D.Ya., tekhn. red.

[Large-panel apartment houses from precast reinforced
concrete] Krupnoelementnye zhilye zdaniia iz sbornogo
zhelezobetona; konstruktsii i raschet. Moskva, Gosstroi-
izdat, 1963. 177 p. (MIRA 16:7)

1. Tsentral'nyy nauchno-issledovatel'skiy i proyektno-
eksperimental'nyy institut industrial'nykh shilykh i mas-
sovykh kul'turno-bytovykh zdaniy Akademii stroitel'stva i
arkhitektury SSSR (for Sergeyev, Mkrtumyan).
(Apartment houses)

DRCZDOV, P.F., kand.tekhn.nauk, dotsent

Design of elements of buildings made of three-dimensional blocks.
Bet. 1 zhel.-bet. 9 no.2:89-92 F '63. (MIRA 16:5)

(Buildings, Prefabricated)

DROZDOV, P. I. inzh.

The "Khersonets'-2" press for making reedwork panels. Sil'.
bud. 7 no. 4:16-17 Ap '57. (MIRA 12:11)
(Reed (Botany))

DROZDOV, P. I., Candidate of Tech Sci (diss) -- "Problems of using reeds in construction". Moscow, 1958. 36 pp (Acad Construction and Architecture USSR, Sci Res Inst of New Building Materials, Parts, and Finishing of Buildings), 220 copies (KL, No 21, 1959, 115)

DROZDOV, P., inzh.

Using machinery in producing reedwork panels. Stroi. mat. 4
no.11:20-23 N '58.

(MIRA 11:12)

(Reed (Botany))

¹
DROZDOV, P., inzh.

Using roof and readwork panels in construction in Kazakhstan.
Sil'.bud. 9 no.6:17-19 Ja '59. (MIRA 12:9)
(Kazakhstan--Read (Botany))

KURENYSHEV, Yu., inzh. (g.Orsk); MASAGUTOV, M.F.; POPOV, S.; BUKHANTSEV, N.; UGNIVENKO, P.N.; UBIYKO, F.F., master-vzryvnik; PROZOROVSKIY, V.I., master-vzryvnik; FOMIN, P.F., master-vzryvnik; DROZDOV, P.I., master-vzryvnik

Readers' letters. Bezop.truda v prom. 5 no.12:33 D '61.

(MIRA 15:1)

1. Nachal'nik burovzryvnykh rabot Solikanskogo kaliynogo kombinata (for Masagutov).
 2. Upravlyayushchiy trestom "Soyuzvzryvprom" (for Popov).
 3. Nachal'nik proizvodstvennogo otdela tresta "Soyuzvzryvprom" (for Bukhantsev).
 4. Nachal'nik burovzryvnykh rabot shakhtoupravleniya 1-5 tresta Kirovugol' Luganskogo sovnarkhoza (for Ugnivenko).
 5. Shakhtoupravleniye 1-5 tresta Kirovugol' Luganskogo sovnarkhoza (for Ubiyko, Prozorovskiy, Fomin, Drozdov).
- (Industrial safety)

DROZDOV, P. I., inzh.

Use of coupled trailers for transporting heavy electric transformers.
Energetik 9 no.5:24-25 My '61. (MIRA 14:5)
(Electric transformers--Transportation)

DROZDOV, P.I., kand. tekhn. nauk; KOLESNIKOV, V.S., inzh.; ZOLOTUKHINA, V.V.,
starshiy nauchnyy sotrudnik

"Stramits" slabs. Stroi.mat. 10 no.8:40-3 of cover Ag '64.

(MIRA 17:12)

1. Rukovoditel' laboratorii Gipronisel'poma (for Drozdov).

DROZDOV, R.Ya.; SOSEDOV, V.P.; ROZENMAN, I.M.

Changes in the linear dimensions of carbon materials in the
process of graphitization. TSvet.met. 38 no.1:66-69 Ja '65
(MIRA 18:2)

KISSIN, I.G.; DROZDOV, S., red.; STEBLYANKO, T., tekhn. red.

[Underground thermal conditions in Stavropol] Podzemnoe
teplo Stavropolia. Stavropol', Stavropol'skoe knizhnoe
izd-vo, 1962. 34 p. (MIRA 16:4)
(Stavropol region--Thermal waters)
(Stavropol region--Earth temperature)

BARABASH, S.T.; DROZDOV, S., red.; STEBLYANKO, T., tekhn. red.

[The industrial Stavropol Territory] Stavropol'e industrial'-
noe. Stavropol', Stavropol'skoe knizhnoe izd-vo, 1962. 57 p.
(MIRA 16:7)

1. Predsedatel' Soveta narodnogo khozyaystva Stavropol'skoy
gubernii (for Barabash).
(Stavropol Territory--Industries)

MESHKOV, Aleksandr Androyevich; DROZDOV, S., red.

[Business accounting of a construction brigade] Khoz-
raschet stroitel'noi brigady. Stavropol', Stavropol'-
skoe knizhnoe izd-vo, 1964. 21 p. (MIRA 18:8)

L 04486-57 EWT(d)/EWT(m)/EWT(n) BC
ACC NR: AP6010046 SOURCE CODE: UR/0209/66/000/003/0058/0062

AUTHOR: Tayurskiy, K., (Colonel, Engineer, Meritorious test pilot SSSR);
Drozdoz, S., (Engineer, Lieutenant Colonel, Candidate of Technical
Sciences) 12 B

ORG: none

TITLE: Maneuvering prior to landing and flight safety for military transport
airplanes

SOURCE: Aviatsiya i kosmonavtika, no. 3, 1966, 58-62

TOPIC TAGS: instrument landing, ^{AIRCRAFT} landing system, ground controlled approach
system, instrument landing system, ^{AIRCRAFT} MANEUVER, TRANSPORT
AIRCRAFT

ABSTRACT: The article deals with the safe distances and altitudes for military
transport airplanes maneuvering around an airfield prior to landing. The method
for using the RSBN-2²⁴ system [RHO theta system] for the landing approach is
described. Procedures for programming descent and breaking through the clouds

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L 04486-57

ACC NR: AP6010046

in combat formation are analyzed. Instrument landing approach diagrams are
given. Orig. art. has: 5 figures. [NT]

SUB CODE: 17, 15/ SUBM DATE: none/

Card 2/2 *egk*

DEULINA, Z.A.; DROZDOV, S.A.; BYKOVA, I.V., red.

[Teaching of the special technology of weaving in professional technical schools; the cotton industry. Methodological textbook] Prepodavanie spetsial'noi tekhnologii tkachestva v professional'no-tekhnicheskikh uchilishchakh; khlopchatobumazhnaya promyshlennost'. Metodicheskoe posobie. Moskva, Vysshaia shkola, 1964. 120 p.

(MIRA 17:9)

L 43256-56 EWT(m)/EWP(1)/T WW/JW/JWD/RM
ACC NR: AP6029969 (A) SOURCE CODE: UR/0413/66/000/015/0161/0161 3

INVENTOR: Fomenko, L. A.; Bashirov, R. Z.; Komissarov, A. M.; Vasilenko, P. F.; 38
Drozdo, S. F.; Serdyuk, T. I.; Artamonov, B. F.; Pozdnyakov, Z. G. 8

ORG: none

TITLE: Unit for the continuous production of granulated ammonium nitrate based commercial explosives. Class 78, No. 184675

SOURCE: Izobret prom obraz tov zn, no. 15, 1966, 161

TOPIC TAGS: commercial explosive, ammonium nitrate, *EXPLOSIVE, CONTINUOUS PRODUCTION UNIT, CHEMICAL PLANT EQUIPMENT*

ABSTRACT: A commercial unit for the continuous production of granulated ammonium nitrate based commercial explosives consists of crushing and screening sections, a suspended screw conveyor dosage system with synchronized operations, a mixing drum, a semiautomatic device for weighing and packing the product, and a remote control system. In order to use this unit for the production of multicomponent explosives, e.g., a three-component explosive, and to improve the quality of mixing, a pipe-line from a wheel-pump is connected to the screw conveyor for feeding the liquid component into the conveyor; the feed bin of the suspended conveyor dosage system is connected to a pneumatic conveyor which supplies the powdered component, and the mixing drum is connected to a tubular pneumovibrator. To provide the crushing of the laminated ~~trotyl~~ during the transportation in the pneumatic line described above, the

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UDC: 662.22

L 43756-66

ACC NR: AP6029969

pneumatic conveyor system is made with elbowed turns, e.g., 90°, and the transportation proceeds at a velocity of 5 m/sec under 3 atm pressure. To supply the liquid component in the required amount, the wheel pump is equipped with a speed regulator connected to the suspended conveyor dosage system for synchronized operation. To prevent dust from the powder component and to remove the static electricity, the pneumatic conveyor system has a cyclone-precipitator, equipped with a valve for the automatic discharge of the precipitate from the cyclone into the feed bin, and the flexible powder-supply line is equipped with a current collector. [PS]

SUB CODE: 19/ SUBM DATE: 16Nov64/ ATD PRESS: 5074

Card 2/2 blg

DROZDOV, S. G.

DROZDOV, S.G. (Moskva)

Epidemic neural virus infections. Fel'd. i akush. no.8:6-11 Ag '54.
(MLRA 7:8)

(VIRUS DISEASES
infect., of nervous system)
(ENCEPHALITIS, EPIDEMIC, virus
pathol.)

BRONCOV, S. G.

"A Comparative Study of the Penetration of Tick-Borne Encephalitis Viruses Into the Blood and Milk of Domestic Goats," an article presented at the Interblast' Scientific-Practical Conference of Medical Workers of the Ural, Siberia, and the Far East, Krasnoyarsk, 9-12 Dec 55.

Sum. No. 1047, 31 Aug 56

DROZDOV, S. G.

Drozдов, S. G. -- "Two-Wave Milk Fever in Moscow Oblast (Material on the Etiological and Epidemiological Study of a Focus)." Acad Med Sci USSR. Inst for the Study of Poliomyelitis. Moscow, 1956. (Dissertation For the Degree of Candidate in Medical Sciences).

So: Knizhnaya Letopis', No. 11, 1956, pp 103-111

DROZDOV, S.G.

Experimental study on the possibility of the secretion of
four types of tick-borne encephalitis virus in goat's milk.
Zhur.mikrobiol.epid. i immun. 30 no.3:114-118 Mr '59.

(MIRA 12:5)

1. Iz Instituta po izucheniyu poliomyelita AMN SSSR, Moskva.

(ENCEPHALITIS, EPIDEMIC, virus,

tick-borne encephalitis virus in goat milk,
isolation of 4 types (Rus))

(MILK, microbiology,
same)

DROZDOV, S.G.

Nature of diphasic milk fever; data on a focus in the European part of the U.S.S.R. Report No.1: Isolation of the causative virus and its characteristics. Vop.virus. 4 no.2:204-208
Mr-Apr '59. (MIRA 12:6)

1. Institut po izucheniyu poliomyelita AMN SSSR, Moskva.
(ENCEPHALOMYELITIS, virus,
diphasic milk fever, isolation & properties (Rus))

DROZDOV, S.G.

On the nature of diphasi^c milk fever; data on the study of a focus in the European part of the USSR. Report No.2: Serological and immunological studies. Vop.virus. 4 no.4:424-429 J1-Ag '59. (MIRA 12:12)

1. Institut po izucheniyu poliomyelita AMN SSSR, Moskva.
(ENCEPHALOMYELITIS)

CHUMAKOV, M.P.; VOROSHILOVA, M.L.; VASIL'YEVA, K.A.; BAKINA, M.N.; DROZDOV,
S.G.; PODSKOLOVSKIY, T.S.; KOSTINA, K.A.; SHIRMAN, G.A.; YANKOVICH,
O.D.; USPENSKIY, Yu.S.; ASHMARINA, Ye.Ye.

Preliminary report on massive peroral immunization of the population
against poliomyelitis with live virus vaccine from attenuated Sabin
strains. Vop.virus. 4 no.5:520-533 S-O '59. (MIRA 13:2)

1. Institut po izucheniyu poliomyelita AMN SSSR, Moskva.
(POLIOMYELITIS, immunol.)

DROZDOV, S.G.

Nature of biundulant milk fever; data on a study of the focus in European Russia. Report No.3: Study of the relation of the virus of biundulant milk fever to the viruses of tick and Scotland encephalitis and Omsk hemorrhagic fever. Vop.virus. 6 no.5:528-532 S-0 '60. (MIRA 14:7)

1. Institut po izucheniyu poliomiyelita AMN SSSR, Moskva.
(ENCEPHALITIS) (EPIDEMIC HEMORRHAGIC FEVER)